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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/826,953	04/15/2004	Marc N. Nestor	7463-45 (CE12724JME)	2279
30448	7590 07/14/2005		EXAMINER	
AKERMAN SENTERFITT			VU, PHUONG T	
P.O. BOX 31	= =		ART UNIT	PAPER NUMBER
WEST PALM BEACH, FL 33402-3188		188	ARTONII	PAPER NUMBER
			2841	

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	-
	10/826,953	NESTOR ET AL.	
Office Action Summary	Examiner	Art Unit	
	Phuong T. Vu	2841	_
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	vith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a  - If NO period for reply is specified above, the maximum statutory per  - Failure to reply within the set or extended period for reply will, by state of the second patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of thi riod will apply and will expire SIX (6) MO atute, cause the application to become A	reply be timely filed  rty (30) days will be considered timely.  NTHS from the mailing date of this communication  BANDONED (35 U.S.C. § 133).	ı.
Status			
1) Responsive to communication(s) filed on _			
	This action is non-final.		
3) Since this application is in condition for allocalosed in accordance with the practice unde	wance except for formal ma	• •	i
Disposition of Claims			
4)  Claim(s) 1-20 is/are pending in the applicate 4a) Of the above claim(s) is/are without 5)  Claim(s) is/are allowed.  6)  Claim(s) 1-20 is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and	drawn from consideration.		
Application Papers			
9) The specification is objected to by the Exam  10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to the specific or	accepted or b) objected to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the con			l).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore  a) All b) Some * c) None of:  1. Certified copies of the priority docume  2. Certified copies of the priority docume  3. Copies of the certified copies of the papplication from the International Bur  * See the ettraphed detailed Office action for a	ents have been received. ents have been received in a priority documents have been reau (PCT Rule 17.2(a)).	Application No  received in this National Stage	
* See the attached detailed Office action for a	ilst of the certified copies no	receivea.	
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
<ol> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date</li> </ol>	( 1	s)/Mail Date Informal Patent Application (PTO-152) 	

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-2, 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Davidson (US 5,895, 884). Regarding claim 1, the reference discloses a reinforced substrate apparatus, comprising a substrate 20, a first shield 1 coupled to the substrate and a strengthening member 2 coupled to the first shield.

Regarding claim 2, the strengthening member includes at least one elongated member 4.

Regarding claim 11, the substrate is a substrate for a mobile device.

3. Claims 1-3, 13-14, 17, 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Fry et al. (US 5,160,807). Regarding claim 1, the reference discloses a reinforced substrate apparatus, comprising a substrate 10, a first shield 20 coupled to the substrate and a strengthening member 36 coupled to the first shield.

Regarding claim 2, the strengthening member includes at least one elongated member.

Regarding claim 3 the apparatus further comprises at least a second shield 22, wherein the strengthening member is coupled to the first shield and the second shield.

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Regarding claim 13, the reference discloses a reinforced substrate apparatus comprising a substrate 10, a first shield 20 coupled to the substrate, and a strengthening member 36 coupled to the first shield and at least the second shield 22.

Regarding claim 14, the strengthening member includes at least one elongated member 44 protruding from the strengthening member.

Regarding method claims 17, 20, the recited method steps would necessarily be performed in assembling the above-mentioned apparatus.

4. Claims 1-3, 13, 15, 17, 19-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Moran et al. (US 5,844,784). Regarding claim 1, the reference discloses a reinforced substrate apparatus, comprising a substrate 10, a first shield 12 coupled to the substrate and a strengthening member 38 coupled to the first shield.

Regarding claim 2, the strengthening member includes at least one elongated member.

Regarding claim 3 the apparatus further comprises at least a second shield 14, wherein the strengthening member is coupled to the first shield and the second shield.

Regarding claim 13, the reference discloses a reinforced substrate apparatus comprising a substrate 10, a first shield 12 coupled to the substrate, and a strengthening member 38 coupled to the first shield and at least the second shield 14.

Regarding claim 15, the elongated member is located between the first shield and the second shield without contacting the substrate.

Regarding method claims 17, 19, 20, the recited method steps would necessarily be performed in assembling the above-mentioned apparatus.

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5. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Lindland et al. (US 5,414,597). Regarding claim 1, the reference discloses a reinforced substrate apparatus, comprising a substrate 20, a first shield comprising 10, 16 coupled to the substrate and a strengthening member 18 coupled to the first shield. When the components are assembled, they are all coupled together.

Regarding claim 2, the strengthening member includes at least one elongated member.

Regarding claim 3 the apparatus further comprises at least a second shield 17, wherein the strengthening member is coupled to the first shield and the second shield.

Regarding claim 4, the strengthening member is soldered to at least one among the first shield and the second shield.

Regarding claim 5, the strengthening member includes a conductive material.

Regarding claim 6, the strengthening member provides a ground current pathway between the first shield and the second shield.

Regarding claim 7, the strengthening member includes at least one elongated member.

Regarding claim 8, the at least one elongated member is located between the first shield and the second shield.

Regarding claim 9, the at least one elongated member is orientated non-parallel with another elongated member 37.

Regarding claim 10, the first shield includes a recessed surface (provided in 10) and an unrecessed surface 16, a surface of the strengthening member is at

substantially the same height as the unrecessed surface when the strengthening member is attached to at least one of the first shield and the second shield within the recessed surface.

Regarding claim 11, the substrate is a substrate for a mobile electronic device.

Regarding claim 12, the strengthening member is coupled to at least the first shield without contacting the substrate.

Regarding claim 13, the reference discloses a reinforced substrate apparatus comprising a substrate 20, a first shield 10,16 coupled to the substrate, and a strengthening member 18 coupled to the first shield and at least the second shield 17.

Regarding claim 14, the strengthening member includes at least one elongated member 37 protruding from the strengthening member.

Regarding claim 15, the elongated member is located between the first shield and the second shield without contacting the substrate.

Regarding claim 16, the reinforced substrate apparatus is a substrate for a mobile electronic device and the first shield and the second shield reduce electromagnetic interference.

Regarding method claims 17-20, the recited method steps would necessarily be performed in assembling the above-mentioned apparatus.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong T. Vu whose telephone number is (571) 272-2111. The examiner can normally be reached on Mon. & Tues., 7:30 AM - 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phuong T. Vu

Patent Examiner